

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic signal to provide Emergency Vehicle Pre-Emption at the intersection of MD 308 (S. Main Street) and MD 315 (N. Main Street/E. Central Avenue) in the City of Greensboro, Maryland. Main Street is assumed to run in an north-south direction.

II. INTERSECTION OPERATION

- The intersection operates in a NEMA 4-phase, pre-timed mode.
- The existing NEMA full-traffic-actuated, eight (8) phase controller housed in a NEMA 5 pole mounted cabinet is utilized at this location.

NOTES

- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT 2

MR. TERRY O. WRIGHT
DISTRICT ENGINEER
410-810-3210

MR. JEFFREY WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-810-3240

MR. BARRY CLOTHIER
UTILITY ENGINEER
410-810-3275

MR. WM NORRIS EMBERT
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-810-3270

MR. MIKE LEWIS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-810-3250

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9000	DETECTOR RACK	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8001	12 INCH LED SIGNAL HEAD SECTION	EA	4
8023	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	LS	1
8032	4 CONDUCTOR OPTICOM CABLE	LF	30
8043	WEATHER HEAD, 3 INCH	EA	1
8047	DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764	EA	1
8049	OPTICOM NO. 721 DETECTOR EYE	EA	1
8056	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	120

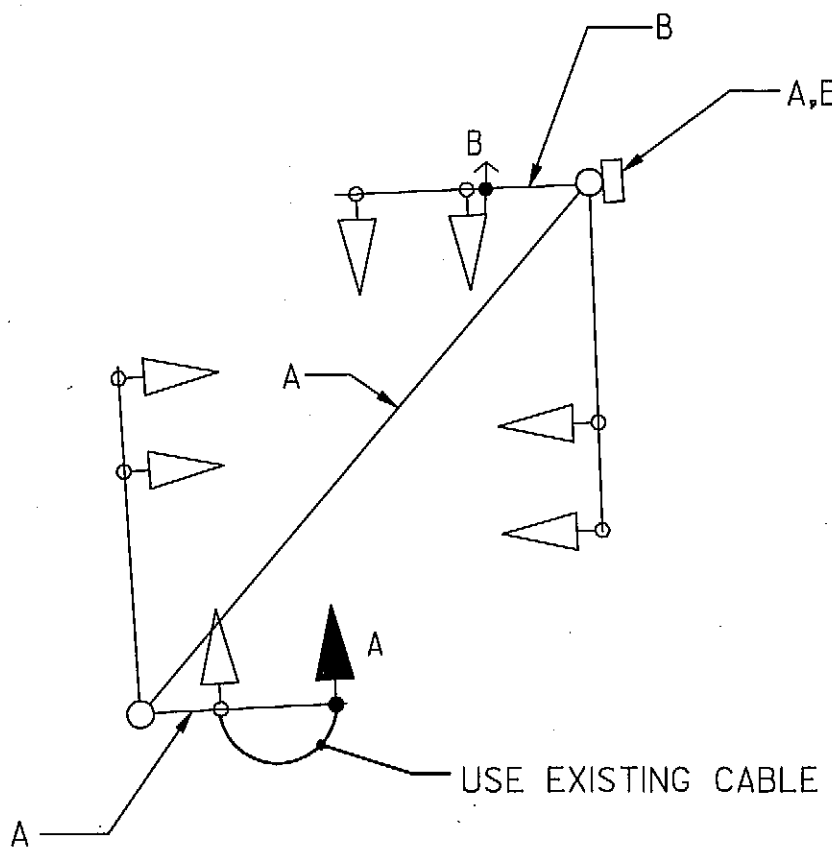
C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

1	2	3	4	5	6	7	8
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 2 AND 6	G	G	G	G	R	R	R	R	←
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	→
PHASE 4 AND 8	R	R	R	R	G	G	G	G	↑
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	↓
EMERGENCY VEHICLE PRE-EMPTION	R	R	R	R	←GG	G	R	R	↙
PRE-EMPTION CHANGE	R	R	R	R	Y	Y	R	R	↘
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	+

WIRING DIAGRAM



KEY

- A } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B } 4 CONDUCTOR OPTICOM CABLE

TOD NO: XX661-21
SHA NO: CO287B53
MD 308 @ MD 315/Central Avenue



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 308 AT MD 315/CENTRAL AVENUE
FEDERALSBURG, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. ADVERTISED DATE FEB. 2012 CONTRACT NO. XX6615185

DESIGNED BY W. KOCHER COUNTY CAROLINE
DRAWN BY W. KOCHER LOGMILE 05031501.030
CHECKED BY A. GRIFFIN TMS NO. L242
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 1744 (S) DRAWING pSG OF N001 SHEET NO. 2 OF 2



SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM